

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4180002/JAG/JUK	APPLICATION NO. 09/785,474
	APPLICANT TANZI et al.	
	FILING DATE February 20, 2001	GROUP 1647

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
PCJ ↓	AA1	4,411,993	10/25/1983	Gillis, S.	435	68	04/29/1981
	AB1	4,543,439	09/24/1985	Frackleton, Jr., A.R. et al.	935	92	12/13/1982
	AC1	Re 32,011	10/22/1985	Zimmerman, T.S. et al.	260	112 B	12/14/1981
	AD1	4,579,821	04/01/1986	Palmiter, R.D. et al.	435	172.3	11/23/1981
	AE1	4,683,195	07/28/1987	Mullis, K.B. et al.	435	6	02/07/1986
	AF1	4,683,202	07/28/1987	Mullis, K.B.	435	91	10/25/1985
	AG1	4,736,866	04/12/1988	Leder, P. et al.	800	1	06/22/1984
	AH1	4,786,600	11/22/1988	Kramer, F.R. et al.	435	235	05/25/1984
	AI1	4,800,159	01/24/1989	Mullis, K.B. et al.	435	172.3	12/17/1986
	AJ1	4,876,187	10/24/1989	Duck, P. et al.	435	6	12/05/1985
	AK1	5,011,769	04/30/1991	Duck, P. et al.	435	6	04/29/1988

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
PCJ ↓	AL1	EP 0 125 023 A1	11/14/1984	Europe			Yes No
	AM1	EP 0 171 496 A2	02/19/1986	Europe			Yes No
	AN1	WO 86/01533	03/13/1986	WIPO			Yes No
	AO1	EP 0 173 494 A2	05/03/1986	Europe			Yes No
	AP1	EP 0 184 187 A2	06/11/1986	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
PCJ ↓	AR	1	Abraham, C.R. et al., "Immunochemical Identification of the Serine Protease Inhibitor α_1 -Antichymotrypsin in the Brain Amyloid Deposits of Alzheimer's Disease," Cell 52:487-501, Cell Press (1988)
	AS	1	Acsadi, G. et al., "Human dystrophin expression in mdx mice after intramuscular injection of DNA constructs," Nature 352:815-818, Macmillan Publishers Ltd (1991)
	AT	1	Alber, T. and G. Kawasaki, "Nucleotide Sequence of the Triose Phosphate Isomerase Gene of Saccharomyces cerevisiae," J. Mol. Appl. Genet. 1:419-434, Raven Press (1982)

EXAMINER P. J. Hayer	DATE CONSIDERED 4/28/04
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PCW ↓	AA2	5,087,571	02/11/1992	Leder, P. et al.	435	240.2	03/22/1988
	AB2	5,175,383	12/29/1992	Leder, P. et al.	800	2	02/17/1989
	AC2	5,175,384	12/29/1992	Krimpenfort, P.J.A. et al.	800	2	12/05/1988
	AD2	5,221,778	06/22/1993	Byrne, G.W. et al.	800	2	08/24/1988
	AE2	5,347,075	09/13/1994	Sorge, J.A.	800	2	06/06/1991
	AF2	5,387,742	02/07/1995	Cordell, B.	800	2	06/17/1991
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PCW ↓	AL2	WO 87/02671	05/07/1987	WIPO	/		Yes
							No
	AM2	WO 90/07936	07/26/1990	WIPO			Yes
							No
	AN2	EP 0 415 731 A2	03/06/1991	Europe			Yes
							No
	AO2	WO 91/02805	03/07/1991	WIPO	Yes		
					No		
	AP2	WO 94/21683	09/29/1994	WIPO	Yes		
					No		

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
PCW ↓	AR	2	Ammerer, G., "Expression of Genes in Yeast Using the ADCl Promoter," <i>Meth. Enzymol.</i> 101:192-201, Academic Press, Inc. (1983)
	AS	2	Atkinson, A.E. et al., "Baculoviruses as Vectors for Foreign Gene Expression in Insect Cells," <i>Pestic. Sci.</i> 28:215-224, Society of Chemical Industry (1990)
	AT	2	Bauer, C.E. et al., "A genetic enrichment for mutations constructed by oligodeoxynucleotide-directed mutagenesis," <i>Gene</i> 37:73-81, Elsevier Science Publishers (1985)

EXAMINER P. P. Yager	DATE CONSIDERED 4/26/01
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
Reb	AL3	WO 96/34099	10/31/1996	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
Reb	AR	3	Beggs, J.D., "Transformation of yeast by a replicating hybrid plasmid," <i>Nature</i> 275:104-109, Macmillan Publishers Ltd (1978)
↓	AS	3	Beidler, C.B. et al., "Cloning and High Level Expression of a Chimeric Antibody with Specificity for Human Carcinoembryonic Antigen," <i>J. Immunol.</i> 141:4053-4060, The American Association of Immunologists (1988)
	AT	3	Bej, A.K. et al., "Polymerase Chain Reaction-Gene Probe Detection of Microorganisms by Using Filter-Concentrated Samples," <i>Appl. Environ. Microbiol.</i> 57:3529-3534, American Society for Microbiology (1991)

EXAMINER R/Vayer	DATE CONSIDERED 4/26/04
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	4	Benjamin, R. <i>et al.</i> , "Protective effect of apoE ε2 in Alzheimer's disease," <i>Lancet</i> 344:473, The Lancet Ltd (August 1994)
	AS	4	Bergman, Y. <i>et al.</i> , "Two regulatory elements for immunoglobulin κ light chain gene expression," <i>Proc. Natl. Acad. Sci. USA</i> 81:7041-7045, The National Academy of Sciences of the USA (1984)
	AT	4	Better, M. <i>et al.</i> , "Escherichia coli Secretion of an Active Chimeric Antibody Fragment," <i>Science</i> 240:1041-1043, American Association for the Advancement of Science (1988)
EXAMINER <i>P/Hayer</i>			DATE CONSIDERED. <i>4/26/04</i>

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<div style="position: relative; height: 150px;"> <div style="position: absolute; left: 10px; top: 50px; font-size: 2em;"> RCH ↓ </div> </div>	AR	<u>5</u>	Bird, R.E. <i>et al.</i> , "Single-Chain Antigen-Binding Proteins," <i>Science</i> 242: 423-426, American Association for the Advancement of Science (1988)
	AS	<u>5</u>	Bird, T.D. <i>et al.</i> , "Familial Alzheimer's Disease in American Descendants of the Volga Germans: Probable Genetic Founder Effect," <i>Ann. Neurol.</i> 23:25-31, American Neurological Association (1988)
	AT	<u>5</u>	Bird, T.D. <i>et al.</i> , "Phenotypic Heterogeneity in Familial Alzheimer's Disease: A Study of 24 Kindreds," <i>Ann. Neurol.</i> 25:12-21, American Neurological Association (1989)

EXAMINER <i>R. Payer</i>	DATE CONSIDERED 4/26/04
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<div style="position: relative; height: 100px;"> RCH ↓ </div>	AR	6	Blais, B.W., "Transcriptional Enhancement of the <i>Listeria monocytogenes</i> PCR and Simple Immunoenzymatic Assay of the Product Using Anti-RNA:DNA Antibodies," <i>Appl. Environ. Microbiol.</i> 60:348-352, American Society for Microbiology (January 1994)
	AS	6	Bolivar, F. <i>et al.</i> , "Construction and Characterization of New Cloning Vehicles. II. A Multipurpose Cloning System," <i>Gene</i> 2:95-113, Elsevier/North-Holland Biomedical Press (1977)
	AT	6	Boshart, M. <i>et al.</i> , "A Very Strong Enhancer Is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, Cell Press (1985)

EXAMINER <i>R. J. Rayer</i>	DATE CONSIDERED <i>4/26/04</i>
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
PCW	AR	1	Botstein, D. et al., "Sterile Host Yeasts (SHY): A Eukaryotic System of Biological Containment for Recombinant DNA Experiments," <i>Gene</i> 8:17-24, Elsevier/North-Holland Biomedical Press (1979)				
↓	AS	1	Brinster, R.L. et al., "Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs," <i>Proc. Natl. Acad. Sci. USA</i> 82:4438-4442, The National Academy of Sciences of the USA (1985)				
↓	AT	1	Brito, G.N.O. et al., "Behavioral Characteristics of Vasopressin-Deficient Rats (Brattleboro Strain)," <i>Brain Res. Bull.</i> 6:71-75, ANKHO International Inc. (1981)				
EXAMINER	P. Hayes				DATE CONSIDERED 4/26/04		

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	8	Broach, J.R. et al., "Transformation in Yeast: Development of a Hybrid Cloning Vector and Isolation of the CAN1 Gene," <i>Gene</i> 8:121-133, Elsevier/North Holland Biomedical Press (1979)
	AS	8	Brousseau, T. et al., "Confirmation of the ε4 allele of the apolipoprotein E gene as a risk factor for late-onset Alzheimer's disease," <i>Neurol.</i> 44:342-344, American Academy of Neurology (February 1994)
	AT	8	Casadaban, M.J. et al., "In Vitro Gene Fusions That Join an Enzymatically Active β-Galactosidase Segment to Amino-Terminal Fragments of Exogenous Proteins: <i>Escherichia coli</i> Plasmid Vectors for the Detection and Cloning of Translational Initiation Signals," <i>J. Bacteriol.</i> 143:971-980, American Society for Microbiology (1980)

EXAMINER <u>R Hayes</u>	DATE CONSIDERED <u>4/26/04</u>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

AR	9	Cataldo, A.M. et al., "Lysosomal proteinase antigens are prominently localized within senile plaques of Alzheimer's disease: evidence for a neuronal origin," <i>Brain Res.</i> 513:181-192, Elsevier Science Publishers B.V. (1990)
AS	9	Chang, A.C.Y. et al., "Phenotypic expression in <i>E. coli</i> of a DNA sequence coding for mouse dihydrofolate reductase," <i>Nature</i> 275:617-624, Macmillan Publishers Ltd (1978)
AT	9	Choi-Miura, N.-H. et al., "SP-40,40 is a constituent of Alzheimer's amyloid," <i>Acta Neuropathol.</i> 83:260-264, Springer-Verlag (1992)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Cook, R.H. et al., "Studies in aging of the brain: IV. Familial Alzheimer disease: Relation to transmissible dementia, aneuploidy, and microtubular defects," <i>Neurol.</i> 29:1402-1412, American Academy of Neurology (1979)
	AS	<u>10</u>	Corder, E.H. et al., "Gene Dose of Apolipoprotein E Type 4 Allele and the Risk of Alzheimer's Disease in Late Onset Families," <i>Science</i> 261:921-923, American Association for the Advancement of Science (1993)
	AT	<u>10</u>	Corder, E.H. et al., "Protective effect of apolipoprotein E type 2 allele for late onset Alzheimer Disease," <i>Nature Genet.</i> 7:180-184, Macmillan Publishers Ltd (June 1994)

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P. Hayes

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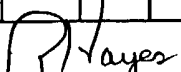
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>11</u>	Coria, F. et al., "Isolation and Characterization of Amyloid P Component from Alzheimer's Disease and Other Types of Gerebral Amyloidosis," <i>Lab. Invest.</i> 58:454-458, The United States and Canadian Academy of Pathology, Inc. (1988)
	AS	<u>11</u>	Corsaro, C.M. and M.L. Pearson, "Enhancing the Efficiency of DNA-Mediated Gene Transfer in Mammalian Cells," <i>Somatic Cell Genet.</i> 7:603-616, Plenum Press (1981)
	AT	<u>11</u>	Craik, C.S., "Use of Oligonucleotides for Site-Specific Mutagenesis," <i>BioTech.</i> 3:12-19, Eaton Publishing Co (1985)
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	12	Cristiano, R.J. et al., "Hepatic gene therapy: Adenovirus enhancement of receptor-mediated gene delivery and expression in primary hepatocytes," <i>Proc. Natl. Acad. Sci. USA</i> 90:2122-2126, The National Academy of Sciences of the USA (1993)
	AS	12	Cullen, D. et al., "Controlled Expression and Secretion of Bovine Chymosin in <i>Aspergillus nidulans</i> ," <i>Bio/Technol.</i> 5:369-376, Nature Publishing Company (1987)
	AT	12	Curiel, D.T. et al., "High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNA-Polylysine Complexes," <i>Hum. Gene Ther.</i> 3:147-154, Mary Ann Liebert, Inc. (1992)

EXAMINER P. J. L. Jager	DATE CONSIDERED 4/26/04
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	AP						Yes No

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PCN ↓	AR	13	Czakó, M. and L. Márton, "The Herpes Simplex Virus Thymidine Kinase Gene as a Conditional Negative-Selection Marker Gene in <i>Arabidopsis thaliana</i> ," <i>Plant Physiol.</i> 104:1067-1071, American Society of Plant Physiologists (March 1994)				
	AS	13	DeNoto, F.M. <i>et al.</i> , "Human growth hormone DNA sequence and mRNA structure: possible alternative splicing," <i>Nucl. Acids Res.</i> 9:3719-3730, Oxford University Press (1981)				
	AT	13	Drinkwater, N.R. and D.K. Klinedinst, "Chemically induced mutagenesis in a shuttle vector with a low-background mutant frequency," <i>Proc. Natl. Acad. Sci. USA</i> 83:3402-3406, The National Academy of Sciences of the USA (1986)				

EXAMINER R. Hays	DATE CONSIDERED 4/26/04
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0609.4180002/JAG/JUK	APPLICATION NO. 09/785,474
	APPLICANT TANZI <i>et al.</i>	
	FILING DATE February 20, 2001	GROUP 1647

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	14	Dupl��a, C. <i>et al.</i> , "Quantitative Analysis of Polymerase Chain Reaction Products Using Biotinylated dUTP Incorporation," <i>Analyt. Biochem.</i> 212:229-236, Academic Press, Inc. (1993)				
	AS	14	Elvin, C.M. <i>et al.</i> , "Modified bacteriophage lambda promoter vectors for overproduction of proteins in <i>Escherichia coli</i> ," <i>Gene</i> 87:123-126, Elsevier Science Publishers B.V. (1990)				
	AT	14	Feldman, R.G. <i>et al.</i> , "Familial Alzheimer's disease," <i>Neurol.</i> 13:811-824, The American Academy of Neurology (1963)				
EXAMINER					DATE CONSIDERED 4/26/04		

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	15	Felgner, P.L. et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure," <i>Proc. Natl. Acad. Sci. USA</i> 84:7413-7417, The National Academy of Sciences of the USA (1987)
	AS	15	Gershon, S. et al., "Methods for the Evaluation of Pharmacologic Agents in the Treatment of Cognitive and Other Defects in Dementia," in <i>Clinical Evaluation of Psychotropic Drugs: Principles and Guidelines</i> , Prien, R.F. and D.S. Robinson, eds., Raven Press, Ltd., New York, NY, pp. 467-499 (September 1994)
	AT	15	Gillies, S.D. et al., "A Tissue-specific Transcription Enhancer Element Is Located in the Major Intron of a Rearranged Immunoglobulin Heavy Chain Gene," <i>Cell</i> 33:717-728, Cell Press (1983)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
REN	AR	16	Glasky, M.S. and C.L. Reading, "Stability of Specific Immunoglobulin Secretion by EBV-Transformed Lymphoblastoid Cells and Human-Murine Heterohybridomas," <i>Hybridoma</i> 8:377-389, Mary Ann Liebert, Inc. (1989)				
	AS	16	Goate, A. <i>et al.</i> , "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <i>Nature</i> 349:704-706, Macmillan Publishers Ltd (1991)				
↓	AT	16	Gold, L. <i>et al.</i> , "Translational Initiation in Prokaryotes," <i>Ann. Rev. Microbiol.</i> 35:365-403, Annual Reviews Inc. (1981)				

EXAMINER R/Hayer	DATE CONSIDERED 4/26/04
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

REN	AR	17	Goudsmit, J. et al., "Familial Alzheimer's Disease in Two Kindreds of the Same Geographic and Ethnic Origin: A Clinical and Genetic Study," J. Neurolog. Sci. 49:79-89, Elsevier/North-Holland Biomedical Press (1981)
↓	AS	17	Graham, F.L. et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. Gen. Virol. 36:59-72, Cambridge University Press (1977)
	AT	17	Graham, F.L. and A.J. Van der Eb, "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA," Virol. 52:456-467, Academic Press, Inc. (1973)

EXAMINER P. J. Hayes	DATE CONSIDERED 4/26/04
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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	18	Grant, F.J. et al., "Improved RNA sequencing method to determine immunoglobulin mRNA sequence," <i>Nucl. Acids Res.</i> 15:5496, Oxford University Press (1987)
	AS	18	Hammer, R.E. et al., "Production of transgenic rabbits, sheep and pigs by microinjection," <i>Nature</i> 315:680-683, Macmillan Publishers Ltd (1985)
	AT	18	Hamos, J.E. et al., "Expression of heat shock proteins in Alzheimer's disease," <i>Neurol.</i> 41:345-350, American Academy of Neurology (1991)
EXAMINER <i>B. J. Hayes</i>			DATE CONSIDERED <i>4/26/04</i>

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	19	Heston, L.L. and J. White, "Pedigrees of 30 Families with Alzheimer Disease: Associations with Defective Organization of Microfilaments and Microtubules," <i>Behavior Genet.</i> 8:315-331, Plenum Press (1978)
	AS	19	Hinnen, A. et al., "Transformation of yeast," <i>Proc. Natl. Acad. Sci. USA</i> 75:1929-1933, The National Academy of Sciences of the USA (1978)
	AT	19	Hitzeman, R.A. et al., "Isolation and Characterization of the Yeast 3-Phosphoglycerokinase Gene (PGK) by an Immunological Screening Technique," <i>J. Biol. Chem.</i> 255:12073-12080, The American Society of Biological Chemists, Inc. (1980)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
RCH ↓	AR	<u>20</u>	Horwitz, M.S.Z. et al., "Selection of new biological activities from random nucleotide sequences: evolutionary and practical considerations," <i>Genome</i> 31:112-117, Genetics Society of Canada (1989)
	AS	<u>20</u>	Hurby, V.J. et al., "Application of Synthetic Peptides: Antisense Peptides," in <i>Synthetic Peptides: A User's Guide</i> , Grant, G.A., ed., W.H. Freeman, New York, NY, pp. 289-307 (1992)
	AT	<u>20</u>	Iida, K. et al., "Rapid and sensitive method for detection of <i>Salmonella</i> strains using a combination of polymerase chain reaction and reverse dot-blot hybridization," <i>FEMS Microbiol. Letts.</i> 114:167-172, Elsevier Science Publishers B.V. (1993)
EXAMINER <i>P. Yager</i>			DATE CONSIDERED <i>4/26/04</i>

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0609.4180002/JAG/JUKAPPLICATION NO.
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PCW	AR	21	Ito, H. <i>et al.</i> , "Transformation of Intact Yeast Cells Treated with Alkali Cations," <i>J. Bacteriol.</i> 153:163-168, American Society for Microbiology (1983)
↓	AS	21	Jasny, B.R., "Insect Viruses Invade Biotechnology," <i>Science</i> 238:1653, American Association for the Advancement of Science (1987)
↓	AT	21	Jones, P.T. <i>et al.</i> , "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> 321:522-525, Macmillan Publishers Ltd (1986)

EXAMINER

P. Hayer

DATE CONSIDERED

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RCH ↓	AR	22	Kamino, K. <i>et al.</i> , "Linkage and Mutational Analysis of Familial Alzheimer Disease Kindreds for the APP Gene Region," <i>Am. J. Hum. Genet.</i> 51:998-1014, The University of Chicago Press (1992)
	AS	22	Kasprzak, A.A. <i>et al.</i> , "Location of a Contact Site between Actin and Myosin in the Three-Dimensional Structure of the Acto-S1 Complex," <i>Biochem.</i> 28:9230-9238, American Chemical Society (1989)
	AT	22	Koering, C.E. <i>et al.</i> , "Induced Expression of the Conditionally Cytotoxic Herpes Simplex Virus thymidine kinase Gene by Means of a Parvoviral Regulatory Circuit," <i>Hum. Gene Ther.</i> 5:457-463, Mary Ann Liebert, Inc. (April 1994)

EXAMINER R. Hayes	DATE CONSIDERED 4/26/04
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<div style="font-size: 2em; font-family: cursive;">RCH</div> <div style="font-size: 3em; font-family: cursive;">↓</div>	AR	23	Kramer, F.R. and P.M. Lizardi, "Replicable RNA reporters," Nature 339:401-402, Macmillan Publishers Ltd (1989)
	AS	23	Kuusisto, J. et al., "Association of apolipoprotein E phenotypes with late onset Alzheimer's disease: population based study," British Med. J. 309:636-638, British Medical Association (September 1994)
	AT	23	Kyte, J. and R.F. Doolittle, "A Simple Method for Displaying the Hydropathic Character of a Protein," J. Mol. Biol. 157:105-132, Academic Press Inc. (1982)

EXAMINER R/Hays	DATE CONSIDERED <div style="font-size: 1.2em; font-family: cursive;">4/26/04</div>
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PCU ↓	AR	24	Lannfelt, L. et al., "No linkage to chromosome 14 in Swedish Alzheimer's disease families," <i>Nature Genet.</i> 4:218-219, Macmillan Publishers Ltd (1993)
	AS	24	Levy-Lahad, E. et al., "Candidate Gene for the Chromosome 1 Familial Alzheimer's Disease Locus," <i>Science</i> 269:973-977, American Association for the Advancement of Science (August 1995)
	AT	24	Liao, X. and J.A. Wise, "A simple high-efficiency method for random mutagenesis of cloned genes using forced nucleotide misincorporation," <i>Gene</i> 88:107-111, Elsevier Science Publishers B.V. (1990)

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R. Vayer

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	AM						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
REF	AR	25	Liddell, M. et al., "Confirmation of association between the e4 allele of apolipoprotein E and Alzheimer's disease," J. Med. Genet. 31:197-200, BMJ Publishing Group (March 1994)				
	AS	25	Liu, A.Y. et al., "Production of a Mouse-Human Chimeric Monoclonal Antibody to CD20 with Potent Fc-Dependent Biologic Activity," J. Immunol. 139:3521-3526, The American Association of Immunologists (1987)				
	AT	25	Liu, A.Y. et al., "Chimeric mouse-human IgG1 antibody that can mediate lysis of cancer cells," Proc. Natl. Acad. Sci. USA 84:3439-3443, The National Academy of Sciences of the USA (1987)				
EXAMINER	R. J. Lays				DATE CONSIDERED 4/26/04		

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RCH ↓	AR	26	Lizardi, P.M. et al., "Exponential Amplification of Recombinant-RNA Hybridization Probes," <i>Bio/Technol.</i> 6:1197-1202, Nature Publishing Company (1988)
	AS	26	Loh, D.Y. et al., "Molecular Basis of a Mouse Strain-Specific Anti-Hapten Response," <i>Cell</i> 33:85-93, Cell Press (1983)
	AT	26	Lomeli, H. et al., "Quantitative Assays Based on the Use of Replicable Hybridization Probes," <i>Clin. Chem.</i> 35:1826-1831, American Association for Clinical Chemistry, Inc. (1989)
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	AR	27	Martin, J.J. et al., "Early-onset Alzheimer's disease in 2 large Belgian families," <i>Neurol.</i> 41:62-68, American Academy of Neurology (1991)
	AS	27	McGeer, P.L. et al., "Distribution of clusterin in Alzheimer brain tissue," <i>Brain Res.</i> 579:337-341, Elsevier Science Publishers B.V. (1992)
	AT	27	McGeer, P.L. and J. Rogers, "Anti-inflammatory agents as a therapeutic approach to Alzheimer's disease," <i>Neurol.</i> 42:447-449, American Academy of Neurology (1992)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	28	McKnight, G.L. et al., "Identification and molecular analysis of a third <i>Aspergillus nidulans</i> alcohol dehydrogenase gene," <i>EMBO J.</i> 4:2093-2099, Oxford University Press (1985)
	AS	28	Messing, J., "New M13 Vectors for Cloning," <i>Meth. Enzymol.</i> 101:20-78, Academic Press, Inc. (1983)
	AT	28	Miller, D.W. et al., "An Insect Baculovirus Host-Vector System for High-Level Expression of Foreign Genes," in <i>Genetic Engineering, Principles and Methods, Volume 8</i> , Setlow, J.K. and A. Hollaender, eds., Plenum Press, New York, NY, 277-298 (1986)

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4180002/JAG/JUK	APPLICATION NO. 09/785,474
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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<div style="font-size: 2em; font-family: cursive;">RCH</div> <div style="font-size: 4em; font-family: cursive;">↓</div>	AR	29	Morrison, S.L., "Transfectomas Provide Novel Chimeric Antibodies," <i>Science</i> 229:1202-1207, American Association for the Advancement of Science (1985)
	AS	29	Namba, Y. et al., "Apolipoprotein E immunoreactivity in cerebral amyloid deposits and neurofibrillary tangles in Alzheimer's disease and kuru plaque amyloid in Creutzfeldt-Jakob disease," <i>Brain Res.</i> 541:163-166, Elsevier Science Publishers B.V. (1991)
	AT	29	Nee, L.E. et al., "Dementia of the Alzheimer type: Clinical and family study of 22 twin pairs," <i>Neurol.</i> 37:359-363, American Academy of Neurology (1987)

EXAMINER <i>R. Jager</i>	DATE CONSIDERED 4/26/04
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<div style="font-size: 2em; font-family: cursive;">REV</div> <div style="font-size: 4em; font-family: cursive;">↓</div>	AR	30	Nee, L.E. et al., "A Family With Histologically Confirmed Alzheimer's Disease," Arch. Neurol. 40:203-208, American Medical Association (1983)
	AS	30	Neumann, E. et al., "Gene transfer into mouse lyoma cells by electroporation in high electric fields," EMBO J. 1:841-845, Oxford University Press (1982)
	AT	30	Nichols, B.P. and C. Yanofsky, "Plasmids Containing the trp Promoters of Escherichia coli and Serratia marcescens and Their Use in Expressing Cloned Genes," Meth. Enzymol. 101:155-164, Academic Press, Inc. (1983)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	31	Nickerson, D.A. <i>et al.</i> , "Automated DNA diagnostics using an ELISA-based oligonucleotide ligation assay," <i>Proc. Natl. Acad. Sci. USA</i> 87:8923-8927, The National Academy of Sciences of the USA (1990)
	AS	31	Nishimura, Y. <i>et al.</i> , "Recombinant Human-Mouse Chimeric Monoclonal Antibody Specific for Common Acute Lymphocytic Leukemia Antigen," <i>Cancer Res.</i> 47:999-1005, American Association for Cancer Research (1987)
	AT	31	Ohno, T. <i>et al.</i> , "Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury," <i>Science</i> 265:781-784, American Association for the Advancement of Science (August 1994)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	32	Oi, V.T. and S.L. Morrison, "Chimeric Antibodies," <i>BioTechniques</i> 4:214-221, Eaton Publishing Co (1986)
	AS	32	Ørskov, C. and J.H. Nielsen, "Truncated glucagon-like peptide-1 (proglucagon 78-107 amide), an intestinal insulin-releasing peptide, has specific receptors on rat insulinoma cells (RIN 5AH)," <i>FEBS Letts.</i> 229:175-178, Elsevier Science Publishers B.V. (1988)
	AT	32	Palmiter, R.D. et al., "Metallothionein-Human GH Fusion Genes Stimulate Growth of Mice," <i>Science</i> 222:809-814, American Association for the Advancement of Science (1983)
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>33</u>	Palmiter, R.D. and R.L. Brinster, "Transgenic Mice," Cell 41:343-345, Cell Press (1985)
	AS	<u>33</u>	Paszkowski, J. et al., "Direct Gene Transfer to Plants," EMBO J. 3:2717-2722, Oxford University Press (1984)
	AT	<u>33</u>	Pericak-Vance, M.A. et al., "Genetic Linkage Studies in Alzheimer's Disease Families," Exper. Neurol. 102:271-279, Academic Press, Inc. (1988)


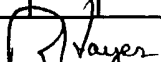
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	AR	<u>34</u>	Pickering, J.G. et al., "Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells," <i>Circulation</i> 89:13-21, American Heart Association (January 1994)
	AS	<u>34</u>	Queen, C., "A Vector That Uses Phage Signals for Efficient Synthesis of Proteins in <i>Escherichia coli</i> ," <i>J. Mol. Appl. Genet.</i> 2:1-10, Raven Press (1983)
	AT	<u>34</u>	Rapoport, S.I. et al., "Discordance and concordance of dementia of the Alzheimer type (DAT) in monozygotic twins indicate heritable and sporadic forms of Alzheimer's disease," <i>Neurol.</i> 41:1549-1553, American Academy of Neurology (1991)
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PCW	AR	35	Rubin, G.M., "Drosophila melanogaster as an Experimental Organism," <i>Science</i> 240:1453-1459, American Association for the Advancement of Science (1988)
↓	AS	35	Russell, D.R. and G.N. Bennett, "Construction and analysis of in vivo activity of E. coli promoter hybrids and promoter mutants that alter the -35 to -10 spacing," <i>Gene</i> 20:231-243, Elsevier Biomedical Press (1982)
	AT	35	Russell, P.R., "Evolutionary divergence of the mRNA transcription initiation mechanism in yeast," <i>Nature</i> 301:167-169, Macmillan Publishers Ltd (1983)
EXAMINER <i>P. Hayer</i>			DATE CONSIDERED 4/26/04

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	36	Schellenberg, G.D. <i>et al.</i> , "Absence of Linkage of Chromosome 21q21 Markers to Familial Alzheimer's Disease," <i>Science</i> 241:1507-1510, American Association for the Advancement of Science (1988)
	AS	36	Schellenberg, G.D. <i>et al.</i> , "Linkage Analysis of Familial Alzheimer Disease, Using Chromosome 21 Markers," <i>Am. J. Hum. Genet.</i> 48:563-583, The University of Chicago Press (1991)
	AT	36	Schellenberg, G.D. <i>et al.</i> , "APP ₁₁₇ , APP ₆₉₃ , and PRIP Gene Mutations Are Rare in Alzheimer Disease," <i>Am. J. Hum. Genet.</i> 49:511-517, The University of Chicago Press (1991)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>37</u>	Schellenberg, G.D. et al., "Genetic Linkage Evidence for a Familial Alzheimer's Disease Locus on Chromosome 14," <i>Science</i> 258:668-671, American Association for the Advancement of Science (1992)
	AS	<u>37</u>	Schellenberg, G.D. et al., "Genetic Association and Linkage Analysis of the Apolipoprotein CII Locus and Familial Alzheimer's Disease," <i>Ann. Neurol.</i> 31:223-227, American Neurological Association (1992)
	AT	<u>37</u>	Schellenberg, G.D. et al., "Chromosome 14 and Late-Onset Familial Alzheimer Disease (FAD)," <i>Am. J. Hum. Genet.</i> 53:619-628, The University of Chicago Press (1993)
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	38	Shaw, D.R. et al., "Mouse/Human Chimeric Antibodies to a Tumor-Associated Antigen: Biologic Activity of the Four Human IgG Subclasses," <i>J. Natl. Cancer Inst.</i> 80:1553-1559, National Cancer Institute (1988)
	AS	38	Smith, A.D. et al., "Protective effect of apoE ε2 in Alzheimer's disease," <i>Lancet</i> 344:473-474, The Lancet Ltd (August 1994)
	AT	38	Stewart, C.A. and R.G.M. Morris, "The watermaze," in <i>Behavioural Neuroscience, Volume I, A Practical Approach</i> , Sahgal, A., ed., IRL Press, Oxford, pp. 107-122 (1993)
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R. Hays		4/26/04	

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>39</u>	Strauss, S. <i>et al.</i> , "Detection of Interleukin-6 and α_2 -Macroglobulin Immunoreactivity in Cortex and Hippocampus of Alzheimer's Disease Patients," <i>Lab. Invest.</i> 66:223-230, The Academy of Pathology, Inc. (1992)
	AS	<u>39</u>	Struhl, K. <i>et al.</i> , "High-frequency transformation of yeast: Autonomous replication of hybrid DNA molecules," <i>Proc. Natl. Acad. Sci. USA</i> 76:1035-1039, The National Academy of Sciences of the USA (1979)
	AT	<u>39</u>	Studier, F.W. <i>et al.</i> , "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes," <i>Meth. Enzymol.</i> 185:60-89, Academic Press, Inc. (1990)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	40	Subramani, S. <i>et al.</i> , "Expression of the Mouse Dihydrofolate Reductase Complementary Deoxyribonucleic Acid in Simian Virus 40 Vectors," <i>Mol. Cell. Biol.</i> 1:854-864, American Society for Microbiology (1981)
	AS	40	Sun, L.K. <i>et al.</i> , "Chimeric antibody with human constant regions and mouse variable regions directed against carcinoma-associated antigen 17-1A," <i>Proc. Natl. Acad. Sci. USA</i> 84:214-218, The National Academy of Sciences of the USA (1987)
	AT	40	Tsai, M.-S. <i>et al.</i> , "Apolipoprotein E: Risk Factor for Alzheimer Disease," <i>Am. J. Hum. Genet.</i> 54:643-649, The University of Chicago Press (April 1994)

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	AP						Yes No

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RCH ↓	AR	41	Turnbull, I.F. et al., "Expression of the <i>Escherichia coli</i> Enterotoxin Subunit B Gene in <i>Aspergillus nidulans</i> Directed by the AMDS Promoter," <i>Bio/Technol.</i> 7:169-174, Nature Publishing Company (1989)
	AS	41	Ueda, K. et al., "Molecular cloning of cDNA encoding an unrecognized component of amyloid in Alzheimer disease," <i>Proc. Natl. Acad. Sci. USA</i> 90:11282-11286, The National Academy of Sciences of the USA (1993)
	AT	41	van Bogaert, L. et al., "Sur les formes familiales précoces de la maladie d'Alzheimer," <i>Msch. Psych. Neurol.</i> 102:249-301, S. Karger (1940)




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	AP						Yes No

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0609.4180002/JAG/JUK	APPLICATION NO. 09/785,474
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	AM						Yes No
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PCW ↓	AR	43	Vile, R.G. and I.R. Hart, "Use of Tissue-specific Expression of the Herpes Simplex Virus Thymidine Kinase Gene to Inhibit Growth of Established Murine Melanomas following Direct Intratumoral Injection of DNA," <i>Cancer Res.</i> 53:3860-3864, American Association for Cancer Research (1993)				
	AS	43	Walder, R.Y. and J.A. Walder, "Oligodeoxynucleotide-directed mutagenesis using the yeast transformation system," <i>Gene</i> 42:133-139, Elsevier Science Publishers B.V. (1986)				
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EXAMINER <i>P. Hayer</i>					DATE CONSIDERED 4/26/04		

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	AR	44	Wheelan, L., "Familiar Alzheimer's Disease," <i>Ann. Hum. Genet</i> 23:300-310, Cambridge University Press (1959)
	AS	44	Wigler, M. et al., "Biochemical Transfer of Single-Copy Eucaryotic Genes Using Total Cellular DNA as Donor," <i>Cell</i> 14:725-731, Cell Press (1978)
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	AR	45	Wisniewski, T. and B. Frangione, "Apolipoprotein E: a pathological chaperone protein in patients with cerebral and systemic amyloid," <i>Neurosci. Letts.</i> 135:235-238, Elsevier Scientific Publishers Ireland Ltd (1992)
	AS	45	Wood, C.R. et al., "The synthesis and in vivo assembly of functional antibodies in yeast," <i>Nature</i> 314:446-449, Macmillan Publishers Ltd (1985)
	AT	45	Wu, C.H. et al., "Targeting Genes: Delivery and Persistent Expression of a Foreign Gene Driven by Mammalian Regulatory Elements in vivo," <i>J. Biol. Chem</i> 264:16985-16987, American Society for Biochemistry and Molecular Biology (1989)

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PCH ↓	AR	46	Yelton, M.M. <i>et al.</i> , "Transformation of <i>Aspergillus nidulans</i> by using a <i>trpC</i> plasmid," <i>Proc. Natl. Acad. Sci. USA</i> 81:1470-1474, The National Academy of Sciences of the USA (1984)
	AS	46	Yu, C.-E. <i>et al.</i> , "The Apolipoprotein E/CI/CII Gene Cluster and Late-Onset Alzheimer Disease," <i>Am. J. Hum. Genet.</i> 54:631-642, The University of Chicago Press (April 1994)
	AT	46	Boteva, K. <i>et al.</i> , "Mutation analysis of presenilin 1 gene in Alzheimer's disease," <i>Lancet</i> 347:130-131, The Lancet Ltd (January 1996)
EXAMINER	R. Hayes		DATE CONSIDERED 4/26/04

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	AR	47	Baumann, H. et al., "The Amino-Acid Sequence of a Peptide (PS-1) from <i>Drosophila funebris</i> : A Paragonial Peptide from Males which Reduces the Receptivity of the Female," <i>Eur. J. Biochem.</i> 52:521-529, Blackwell Science Ltd (1975)				
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	AT	47	Cook, D.G. et al., "Expression and analysis of presenilin 1 in a human neuronal system: Localization in cell bodies and dendrites," <i>Proc. Natl. Acad. Sci. USA</i> 93:9223-9228, The National Academy of Sciences of the USA (August 1996)				
EXAMINER P. J. Hayes					DATE CONSIDERED 4/26/04		
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No copy - not in patent PC1 ↓	AB	48	Deschamps, B.J. et al., "Rat Hepatonuclear Factor PS-1 Regulates Tissue-specific Activity of the S14 Promoter in Vitro," J. Biol. Chem. 267:25167-25171, The American Society for Biochemistry and Molecular Biology, Inc. (1992)
	AS	48	Elder, G.A. et al., "Identification and Neuron Specific Expression of the S182/Presenilin I Protein in Human and Rodent Brains," J. Neurosci. Res. 45:308-320, Wiley-Liss, Inc. (August 1996)
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	AR	<u>49</u>	Hopp, T.P. and K.R. Woods, "Prediction of protein antigenic determinants from amino acid sequences," <i>Proc. Natl. Acad. Sci. USA</i> 78:3824-3828, The National Academy of Sciences of the USA (1981)				
	AS	<u>49</u>	Kovacs, D.M. et al., "Alzheimer-associated presenilins 1 and 2: Neuronal expression in brain and localization to intracellular membranes in mammalian cells," <i>Nat. Med.</i> 2:224-229, Macmillan Publishers Ltd (February 1996)				
	AT	<u>49</u>	Lebo, R.V. et al., "Flow-sorting Analysis of Normal and Abnormal Human Genomes," in <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 51:169-176, Cold Spring Harbor Laboratory Press (1986)				
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	AR	50	Sahara, N. <i>et al.</i> , "Identification and characterization of presenilin I-467, I-463 and I-374," <i>FEBS Lett.</i> 381:7-11, Elsevier Science Publishers B.V. (February 1996)
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	AT	50	Sherrington, R. <i>et al.</i> , "Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease," <i>Nature</i> 375:754-760, Macmillan Publishers Ltd (June 1995)

EXAMINER R. Jager	DATE CONSIDERED 4/26/04
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	AP						Yes No

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EXAMINER

P. Hayer

DATE CONSIDERED

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